MSE **Millennium Science & Engineering, Inc.**

1605 N. 13th Street
Boise, Idaho 83702
Phone: 208.345.8292
Fax: 208.344.8007

November 7, 2006

Ms. Carole Zundel
Permit Writer
Idaho Department of Environmental Quality
1410 N. Hilton
Boise, Idaho 83706

RE: Tier II Operating Permit Modification, Idaho Asphalt Supply, Inc., Blackfoot, Idaho.

Dear Ms. Zundel:

Please find enclosed one copy of the application to modify the Tier II Permit Application completed for the Idaho Asphalt Supply, Inc. Blackfoot facility.

Thank you for your assistance with this project. If you have any questions please call me at (208) 345-8292.

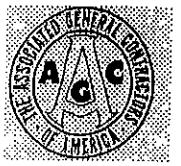
Regards,

Troy D. Riecke, P.E.
Environmental Engineer

Cc: Kenny Custer – Idaho Asphalt Supply, Inc.

IDAHO ASPHALT SUPPLY, INC.

ASPHALTS • ROAD OILS



November 7, 2006

Ms. Carole Zundel
Permit Writer
Idaho Department of Environmental Quality
1410 N. Hilton
Boise, Idaho 83706

Re: Tier II Operating Permit Modification Application Idaho Asphalt Supply, Blackfoot, Idaho

Dear Ms. Zundel:

Please find our request to modify the existing Tier II Operating Permit for our Blackfoot plant enclosed.

Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

If you have any questions please feel free to contact me at (208) 589-1294.

Sincerely,

Kenny Custer

Kenny Custer
Idaho Asphalt Supply, Inc.
P.O. Box 50538
Idaho Falls, ID 83405

RECEIVED
NOV 0 8 2006
Department of Environmental Quality
State Air Program

Combined PTC/Tier II Operating Permit Application

Idaho Asphalt Supply, Inc.
Blackfoot Facility

November 7, 2006

Submitted to:
Idaho Department of Environmental Quality

Submitted for:
Idaho Asphalt Supply, Inc.
P.O. Box 50538
Idaho Falls, Idaho 83405

MSE Millennium Science & Engineering, Inc.
Environmental Science & Engineering Solutions for the 21st Century
1605 North 13th Street
Boise, Idaho 83702
Phone : (208)345-8292
Fax: (208)344-8007

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SECTION 1.0

INTRODUCTION

Idaho Asphalt Supply, Inc.
Blackfoot, Idaho Facility

1.0 INTRODUCTION

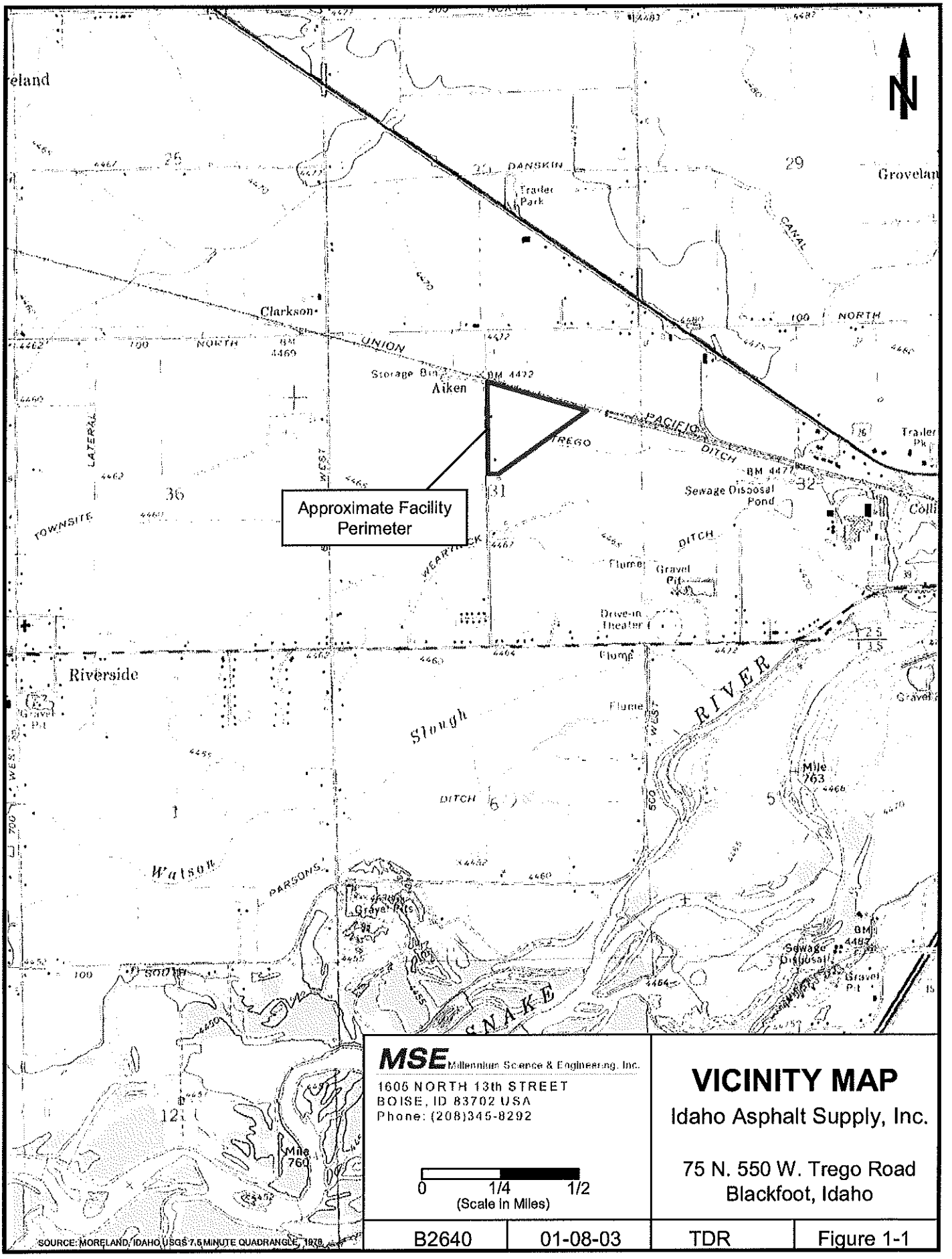
Idaho Asphalt Supply, Inc. (IAS) operates a facility in Blackfoot, Idaho with physical address of 75 North 550 West Trego Road (see Figure 1-1 for vicinity map and Figure 1-2 for facility map). The IAS facility stores, mixes, and distributes asphalt cement products.

There are four primary categories of emission sources at the IAS facility: fuel burning equipment, storage and handling of volatile liquids, loading racks, and fugitive road dust from traffic on unpaved roads.

The Idaho Department of Environmental Quality (IDEQ) issued a combined Permit to Construct (PTC) and Tier II Operating Permit to the IAS facility on February 6, 2004. The permit was issued for the IAS facility utilizing alternative based tank dimensions as a basis for determining emissions from storage tanks and for air dispersion modeling. The alternative approach was utilized to protect information considered to be confidential by IAS.

Recent changes in the asphalt cement industry have prompted IAS to reconsider permitting and facility operations strategies. IAS has determined that additional flexibility in asphalt product storage and manufacturing is required. Due to this change in strategy IAS has determined that modification of the existing PTC and Tier II Operating permit is necessary to allow the desired operational flexibility. IAS has also decided to disclose actual tank dimensions and capacities in order to simplify the permitting process and to obtain a less restrictive permit. It is anticipated that the requested changes will also simplify and improve permit required record keeping and reporting.

This document contains signed permit application forms and supplementary material sufficient to meet submittal requirements for PTC and Tier II Operating permits.

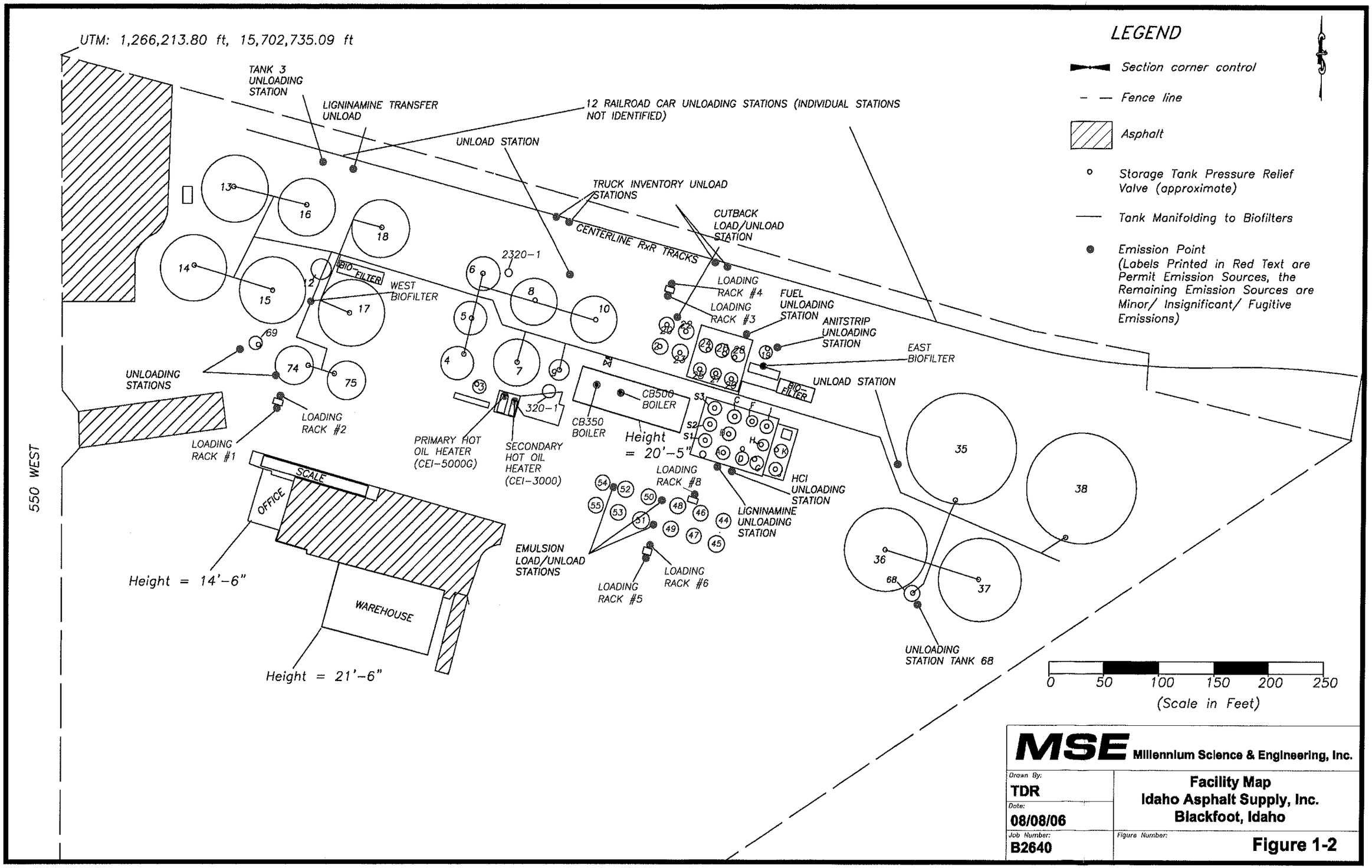


VICINITY MAP

Idaho Asphalt Supply, Inc.

75 N. 550 W. Trego Road
Blackfoot, Idaho

B2640	01-08-03	TDR	Figure 1-1



MSE Millennium Science & Engineering, Inc.

Drawn By: TDR	Facility Map Idaho Asphalt Supply, Inc. Blackfoot, Idaho
Date: 08/08/06	
Job Number: B2640	Figure Number: Figure 1-2

SECTION 2.0

PERMIT APPLICATION FORMS

Idaho Asphalt Supply, Inc.
Blackfoot, Idaho Facility

SECTION 2.1

PTC PERMIT APPLICATION FORMS

Idaho Asphalt Supply, Inc.
Blackfoot, Idaho Facility

STATE OF IDAHO
DEPARTMENT OF ENVIRONMENTAL QUALITY

APPLICATION TO CONSTRUCT AN AIR POLLUTION EMITTING FACILITY
(IDAPA 58.01.01.200-.225)

SECTION 1: GENERAL INFORMATION

1. COMPANY AND DIVISION NAME: Idaho Asphalt Supply, Inc.			
2. MAILING ADDRESS: P.O. Box 941		COUNTY: Bingham	NUMBER OF FULL TIME EMPLOYEES: 15
3. CITY: Blackfoot	STATE: Idaho	ZIP CODE: 83221-0941	TELEPHONE NUMBER: (208) 785-1797
4. PERSON TO CONTACT: Kenny Custer		TITLE: Engineering Manager	
5. EXACT PLANT LOCATION (*IDENTIFY LOCALITY, AND INCLUDE UTM COORDINATES IF KNOWN*): 75 N. 550 W. Trego Road (UTM: zone 12, 386.0 km, 4784.7 km)			
6. GENERAL NATURE OF BUSINESS AND KINDS OF PRODUCTS: Storage, mixing, and distribution of asphalt cement products			

7. REASON FOR APPLICATION

- ☐ permit to construct a new facility
- ☐ permit to modify an existing source
  permit number _____
- ☐ permit to construct a new source
  at an existing facility
- ☐ change of owner or location
  permit number _____
  current owner _____
- X (other) Replace existing permit

8. LIST ALL FACILITIES WITHIN THE STATE THAT ARE UNDER YOUR CONTROL OR UNDER COMMON CONTROL AND HAVE EMISSIONS TO THE AIR. IF NONE, SO STATE.

NAME	LOCATION
Idaho Asphalt Supply, Inc.	Nampa, Idaho
Idaho Asphalt Supply, Inc.	Hauser, Idaho

9. ESTIMATED CONSTRUCTION START DATE: 1992	ESTIMATED COMPLETION DATE: Existing
10. NAME AND TITLE OF OWNER OR RESPONSIBLE OFFICIAL: Jeremy Kroff (Plant Manager)	

11. In accordance with IDAPA 58.01.01.123 (*Rules for the Control of Air Pollution in Idaho*), I ~~Chri~~ Jeremy Kroff certify based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

SIGNATURE Jeremy Kroff DATE 11/6/00

The following information, at a minimum, must be included in the application package in order for the application to be determined complete:

- A scaled plot plan clearly showing property boundaries and stack and building locations;
- All calculations and assumptions used to estimate emissions;
- Manufacturer's guarantees for stated control efficiencies of all control equipment;
- A description of potential fugitive emissions;
- A narrative description of the facility and the process from feed material in to final product out;
- A process flow diagram; and
- Any other information required by the DEQ to determine the application complete.

STATE OF IDAHO
APPLICATION TO CONSTRUCT AN AIR POLLUTION EMITTING FACILITY

SECTION 2: FUEL-BURNING EQUIPMENT (complete a separate page for each unit)

1. APPLICANT'S REFERENCE NUMBER: CB500 Boiler

2. EQUIPMENT MANUFACTURER AND MODEL NUMBER	3. RATED HEAT INPUT CAPACITY	4. BURNER UNIT TYPE (use code)	5. HEAT USAGE % process	% space heating
Cleaver Brooks CB500	20.5 Million BTU/Hr	10	100%	0%

6. FUEL DATA

	Primary	Secondary
fuel type (use code)	1	5
percent sulfur		0.5
percent ash		0.2
percent nitrogen		
percent carbon		
percent hydrogen		
percent moisture		
heat content (percent by weight or volume)	1,020 BTU/SCF	150,000 BTU/gal

7. FUEL CONSUMPTION

	Primary	Secondary
Maximum amount burned/hour	20,098 SCF	140 gal
Normal amount burned/year	1.76E+8 SCF	1217640 gal

Fly ash reinjection? ___ yes ___ no _x_ n.a.

8. OPERATING SCHEDULE

Hours per day	24
Days per week	7
Weeks per year	52

9. POLLUTION CONTROL EQUIPMENT

	Primary	Secondary
type	NA	NA
manufacturer	NA	NA
model number	NA	NA
% efficiency	NA	NA

MANUFACTURER GUARANTEED_____yes_____no
(Include guarantee)
for wet scrubbers:
water flow_____ gpm
pressure drop _____ inches of water

for baghouse:
air/cloth ratio _____
pressure drop _____ inches of water

10. STACK OR EXHAUST DATA

Stack ID	CB500
Height	52 ft
Exit diameter	1.96 ft
Exit gas volume	8,102 acfm
Exit gas temperature	500 F

(Include a separate page for each stack if multiple stacks or vents are used)

11. CRITERIA POLLUTANT ESTIMATED EMISSIONS

Note: Emissions are estimated based combustion of both natural gas and recycled waste oil, lb/hr based on annual average.

Particulates	1.39 lb/hr	6.07 tons/yr	Nitrogen oxides	7.62 lb/hr	33.37 tons/yr
Sulfur Dioxide	10.87 lb/hr	47.62 tons/yr	Volatile organic compounds	0.16 lb/hr	0.69 tons/yr
Carbon monoxide	1.69 lb/hr	7.39 tons/yr			

(Include all calculations and assumptions)

FUEL CODES
1. Natural gas
2. Oil *(specify ASTM grade number)*
3. Wood *(specify chips, bark, shavings sander dust)*
4. Coal *(specify bituminous, anthracite, lignite)*
5. Other *(specify)* Recycled Waste Oil, Fuel Oils No 4, 5, 6

BURNER CODES
1. Spreader stoker
2. Chain or traveling grate
3. Hand fired
4. Cyclone furnace
5. Wet bottom *(pulverized coal)*
6. Dry bottom *(pulverized coal)*
7. Underfeed stoker
8. Tangentially fired
9. Horizontally fired
10. Other *(specify)* *Combination low pressure air atomizing type for oil and high radiant multi-port type for gas.*

STATE OF IDAHO
APPLICATION TO CONSTRUCT AN AIR POLLUTION EMITTING FACILITY

SECTION 3: PROCESS AND MANUFACTURING EQUIPMENT *(complete a separate page for each distinct process or manufacturing operation)*

1. APPLICANT'S REFERENCE NUMBER	2. PROCESS OR OPERATION NAME
Tank 49	Asphalt Emulsion (w/ Fuel Content) Storage Tank

3. MAXIMUM RATED INPUT CAPACITY (tons/hr)*	4. NORMAL MAXIMUM FEED INPUT tons/hour	tons/year	5. NORMAL MAXIMUM PRODUCT OUTPUT tons/hr	tons/year
89.00	89.00	5,489**	89.00	5,489**

6. PROCESS EQUIPMENT

Type	Storage Tank
Manufacturer	
Model Number	
Feed Material	Asphalt Emulsion

7. OPERATING SCHEDULE

Hours per day	24
Days per week	7
Weeks per year	52

8. STACK OR EXHAUST DATA

Stack ID	Tank 49	
Height	37	ft
Exit diameter	0.5	ft
Exit gas volume	negligible	acfm
Exit gas temperature	150	F

(Include a separate page for each stack if multiple stacks or vents are used)

10. POLLUTION CONTROL EQUIPMENT

	Primary	Secondary
Type	None	None
Manufacturer		
Model number		
% efficiency		

MANUFACTURER GUARANTEED_____yes_____no
(Include guarantee)

For wet scrubbers:
- water flow _____ gpm
- pressure drop _____ inches of water

For baghouse:
- air/cloth ratio _____
- pressure drop _____ inches of water

11. CRITERIA POLLUTANT ESTIMATED EMISSIONS

particulates		lb/hr		tons/yr
sulfur oxides		lb/hr		tons/yr
carbon monoxide		lb/hr		tons/yr
nitrogen oxides		lb/hr		tons/yr
volatile organic compounds	0.280	lb/hr	1.23	tons/yr

(Include calculations and assumptions)

9. TOXIC AIR POLLUTANT ESTIMATED EMISSIONS

(Include calculations and assumptions)

Pollutant	Uncontrolled Emissions				Controlled Emissions			
Benzene	3.04E-03	lb/hr	1.33E-02	tons/yr	No Controls	lb/hr	No Controls	tons/yr
		lb/hr		tons/yr		lb/hr		tons/yr
		lb/hr		tons/yr		lb/hr		tons/yr
		lb/hr		tons/yr		lb/hr		tons/yr
		lb/hr		tons/yr		lb/hr		tons/yr
		lb/hr		tons/yr		lb/hr		tons/yr
		lb/hr		tons/yr		lb/hr		tons/yr
		lb/hr		tons/yr		lb/hr		tons/yr
		lb/hr		tons/yr		lb/hr		tons/yr

*If units other than tons, please specify.

****Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

STATE OF IDAHO
APPLICATION TO CONSTRUCT AN AIR POLLUTION EMITTING FACILITY

SECTION 3: PROCESS AND MANUFACTURING EQUIPMENT *(complete a separate page for each distinct process or manufacturing operation)*

1. APPLICANT'S REFERENCE NUMBER	2. PROCESS OR OPERATION NAME
Tank 50	Asphalt Emulsion (w/ Fuel Content) Storage Tank

3. MAXIMUM RATED INPUT CAPACITY (tons/hr)*	4. NORMAL MAXIMUM FEED INPUT tons/hour	tons/year	5. NORMAL MAXIMUM PRODUCT OUTPUT tons/hr	tons/year
89.00	89.00	5,489**	89.00	5,489**

6. PROCESS EQUIPMENT

Type	Storage Tank
Manufacturer	
Model Number	
Feed Material	Asphalt Emulsion

7. OPERATING SCHEDULE

Hours per day	24
Days per week	7
Weeks per year	52

8. STACK OR EXHAUST DATA

Stack ID	Tank 50	
Height	37	ft
Exit diameter	0.5	ft
Exit gas volume	negligible	acfm
Exit gas temperature	150	F

(Include a separate page for each stack if multiple stacks or vents are used)

10. POLLUTION CONTROL EQUIPMENT

	Primary	Secondary
Type	None	None
Manufacturer		
Model number		
% efficiency		

MANUFACTURER GUARANTEED_____yes_____no
(Include guarantee)

For wet scrubbers:
- water flow _____ gpm
- pressure drop _____ inches of water

For baghouse:
- air/cloth ratio _____
- pressure drop _____ inches of water

11. CRITERIA POLLUTANT ESTIMATED EMISSIONS

particulates	lb/hr	tons/yr
sulfur oxides	lb/hr	tons/yr
carbon monoxide	lb/hr	tons/yr
nitrogen oxides	lb/hr	tons/yr
volatile organic compounds	0.280 lb/hr	1.23 tons/yr

(Include calculations and assumptions)

9. TOXIC AIR POLLUTANT ESTIMATED EMISSIONS

(Include calculations and assumptions)

Pollutant	Uncontrolled Emissions		Controlled Emissions	
Benzene	3.04E-03 lb/hr	1.33E-02 tons/yr	No Controls lb/hr	No Controls tons/yr
	lb/hr	tons/yr	lb/hr	tons/yr
	lb/hr	tons/yr	lb/hr	tons/yr
	lb/hr	tons/yr	lb/hr	tons/yr
	lb/hr	tons/yr	lb/hr	tons/yr
	lb/hr	tons/yr	lb/hr	tons/yr
	lb/hr	tons/yr	lb/hr	tons/yr
	lb/hr	tons/yr	lb/hr	tons/yr
	lb/hr	tons/yr	lb/hr	tons/yr

*If units other than tons, please specify.

**Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.

SECTION 2.2

TIER II OPERATING PERMIT APPLICATION FORMS

Idaho Asphalt Supply, Inc.
Blackfoot, Idaho Facility

COMPLETENESS DETERMINATION CHECKLIST AND APPLICATION INDEX

Company Name Idaho Asphalt Supply, Inc.

Location Blackfoot, Idaho

Project Tier II Operating Permit Application

Reviewer _____

Date _____

The attached forms have been provided as a checklist and application index to ensure all the required information have been included with the air pollution source permit application. These forms shall be submitted along with the application. These checklist/index forms include the following elements of the permit application:

- ☞ Application Forms
- ☞ Source Descriptions
- ☞ Source Flow Diagrams
- ☞ Plot Plans
- ☞ Emission Estimate References and Documentation
- ☞ Excess Emission Documentation
- ☞ Ambient Air Impact Analysis
- ☞ Compliance Certification Plan

Each page of the permit application shall be numbered so that each page can be referenced individually. This will allow these checklist forms to act as the permit application table of contents.

Note on Page Numbering: Page numbers referring to specific Tier II application forms are preceded with "(Tier II)". All other pager numbers refer to pages in the supplementary materials included with the application.

APPLICATION FORMS

SECTION	SOURCE	PAGE
	General Information	(Tier II) 1-1
	Fuel Burning Equipment - CB500	(Tier II) 2-1 - 2-6
	Fuel Burning Equipment - CB350	(Tier II) 2-7, 2-8
	Fuel Burning Equipment - CEI-5000G	(Tier II) 2-9, 2-10
	Fuel Burning Equipment - CEI-3000	(Tier II) 2-11, 2-12
	Storage and Handling of Volatile Compounds - Asphalt Cement Storage Tanks	(Tier II) 5-1 - 5-42
	Storage and Handling of Volatile Compounds - Asphalt Emulsion (water content) Storage Tanks	(Tier II) 5-43 - 5-62
	Storage and Handling of Volatile Compounds - Asphalt Emulsion (fuel content) Storage Tanks	(Tier II) 5-63 - 5-66
	Storage and Handling of Volatile Compounds - Asphalt Cutback Storage Tanks	(Tier II) 5-67 - 5-76
	Storage and Handling of Volatile Compounds - Additive/Fuel Storage Tanks	(Tier II) 5-77 - 5-106
	Loading Racks - Asphalt Cement	(Tier II) 6-1 - 6-4, 6-7, 6-8
	Loading Racks - Asphalt Cutback	(Tier II) 6-5, 6-6
	Loading Racks - Asphalt Emulsions	(Tier II) 6-9 - 6-12
	Fugitive Road Dust Sources	(Tier II) 8-1, 8-2

	YES	NO
☞ Is the application signed and dated?	✓	
☞ Are all the forms adequately completed?	✓	

SOURCE DESCRIPTIONS

SOURCE	PAGE
Fuel Burning Equipment	4-1
Storage and Handling of Volatile Compounds	4-1 - 4-3
Loading Racks	4-3, 4-4
Fugitive Road Dust Emissions	4-4

	YES	NO
☞ Are the existing facilities described?	✓	
☞ Are the modifications or new facilities described?	N/A	N/A
☞ Are all applicable processes, materials, ventilation, and controls described?	✓	
☞ Are all equipment referenced by specific ID name or number?	✓	

SOURCE FLOW DIAGRAMS

SOURCE	PAGE
Asphalt Cement Storage and Loading/Unloading	3-4
PMA Production, Storage, and Loading	3-5
Asphalt Cutback Production, Storage, and Loading	3-6
Asphalt Emulsion Production, Storage, and Loading	3-7

	YES	NO
☞ Are included?	✓	
☞ Shows entire existing facility?	✓	
☞ Shows entire future facility?	N/A	N/A
☞ Shows each process separately (if needed)?	✓	
☞ Details storage, roads, transfers, and processing?	✓	
☞ Labeling is adequate (processes and stacks identified, flowrates, and process rates shown)?	✓	

PLOT PLANS

SOURCE	PAGE
Vicinity Map	1-2
Facility Map	1-3

	YES	NO
☞ Is included?	✓	
☞ Shows location coordinates?	✓	
☞ Shows plant boundaries?	✓	
☞ Shows neighboring ownership and facilities?	✓	
☞ Shows topography?	✓	
☞ Scale shown or distances adequately labeled?	✓	
☞ Shows all buildings, equipment, storage, and roads?	✓	
☞ Is adequate for both existing and future or includes both?	✓	

EMISSION ESTIMATE REFERENCES AND DOCUMENTATION

SOURCE	PAGE
Fuel Burning Equipment	5-1, Appendix A
Storage Tanks	5-1, 5-2, Appendix B
Loading Racks	5-2, Appendix C
Fugitive Road Dust Emissions	5-2, Appendix D

	YES	NO
☞ All fugitive and point sources listed	✓	
☞ All pollutants addressed?	✓	
☞ Process documentation and specs included?	✓	
☞ Control equipment documentation and specs included?	N/A	N/A
☞ Emission factors documented and referenced?	✓	
☞ Calculations and assumptions shown?	✓	
☞ Source tests referenced (test includes processing and control device test conditions)?	N/A	N/A

EXCESS EMISSION DOCUMENTATION - Not Applicable

SOURCE	PAGE

	YES	NO
☞ All three types of excess emissions (startup, shutdown, and scheduled maintenance) covered for each source?		
☞ Calculations and documentation included?		
☞ Expected frequencies of excess emissions noted?		
☞ Justification for amounts and frequencies of excess emissions?		
☞ Procedures for minimizing excess emissions covered?		

AMBIENT AIR IMPACT ANALYSIS

PROJECT	PAGE
Existing ambient air quality discussion including attainment status and classification of areas which may be significantly impacted.	
Discussion of dispersion model use and assumptions.	6-1, 6-2
Dispersion model input.	6-1 - 6-3, On CD
Disperson model output.	Appendix E and on CD
Discussion of ambient impacts for each pollutant.	6-5
Discussion of how excessive impacts will be controlled or avoided for sources and pollutants with the potential for these.	8-1

COMPLIANCE CERTIFICATION PLA - Not Applicable

SOURCE	PAGE

	YES	NO
☞ Monitoring, recordkeeping, and reporting discussed?		
☞ Stack testing methods thoroughly documented?		
☞ Discussion and documentation of process control mechanisms used to meet emission limits?		
☞ Quality assurance/quality control discussed?		
☞ Monitoring equipment specifications and documentation included?		

SECTION 1: GENERAL INFORMATION

COMPANY & DIVISION NAME	Idaho Asphalt Supply, Inc.
STREET ADDRESS OR P.O. BOX	P.O. Box 941
CITY	Blackfoot
STATE	Idaho
ZIP	83221-0941
PERSON TO CONTACT	Kenny Custer
TITLE	Engineering Manager
PHONE NUMBER	(208) 589-1294
EXACT PLANT LOCATION	75 N. 550 W. Trego Road
GENERAL NATURE OF BUSINESS	Storage, mixing, distribution of asphalt cement products.
NUMBER OF FULL-TIME EMPLOYEES	15
PROPERTY AREA (ACRES)	16
REASON FOR APPLICATION (1) Change of Owner or Location (2) Tier I Permit to Operate (3) Tier II Permit to Operate	3
DISTANCE TO NEAREST STATE BORDER (MILES)	67
PRIMARY SIC	2950
SECONDARY SIC	none
PLANT LOCATION COUNTY	Bingham County
ELEVATION (FT)	4504
UTM ZONE	12
UTM (X) COORDINATE (KM)	386.0
UTM (Y) COORDINATE (KM)	4784.7

NAME OF FACILITIES	LOCATION OF OTHER FACILITIES

List all facilities with the State that are under your control or under common control and have emissions to the air. If none, so state.

Idaho Asphalt Supply, Inc	Hauser, Idaho
Idaho Asphalt Supply, Inc.	Nampa, Idaho
OWNER OR RESPONSIBLE OFFICIAL	Jeremy Kroff
TITLE OF RESPONSIBLE OFFICIAL	Plant Manager

Based on information and belief formed after reasonable inquiry
I certify the statements and information in this document are accurate and complete.

SIGNATURE OF OWNER OR RESPONSIBLE OFFICIAL

DATE 11/16/04

SECTION 2: FUEL BURNING EQUIPMENT

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	CB500 Boiler				
STACK DESCRIPTION	CB500 Boiler Stack				
BUILDING DESCRIPTION	Shop				
MANUFACTURER	Cleaver Brooks	MODEL	CB500	DATE INSTALLED	Sep-96
				DATE LAST MODIFIED	

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	20.5	1000 LBS STEAM/HR		KILOWATTS		HORSEPOWER	
BURNER TYPE	11	% USED FOR PROCESS	100				
		% USED FOR SPACE HEAT					

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	01		03, 04, 05	
PERCENT SULFUR	NA		0.5	
PERCENT ASH	NA		0.2	
PERCENT NITROGEN	NA		NA	
PERCENT CARBON	NA		NA	
PERCENT HYDROGEN	NA		NA	
PERCENT MOISTURE	NA		NA	
HEAT CONTENT (BTU/UNIT)	1020	SCF	146,000-150,000	gallons
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	20,098	SCF	137-140	gallons
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	1.761E+08	SCF	748,523-1,217,640	gallons

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY) combination low pressure air atomizing type for oil and high radiant multi-port type for gas.

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, PART B - CB500 Natural Gas Combustion

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	25	HOURS/DAY	24
MAR-MAY	25	DAY/WEEK	7
JUN-AUG	25	WEEKS/YEAR	52
SEP-NOV	25		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	Y
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	20.5
BUILDING/AREA LENGTH (FT)	102.5
BUILDING/AREA WIDTH (FT)	32

STACK DATA

GROUND ELEVATION (FT)	4504
UTM X COORDINATE (KM)	386.1952
UTM Y COORDINATE (KM)	4787.3244
STACK TYPE (SEE NOTE BELOW)	02
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	52
STACK EXIT DIAMETER (FT)	1.96
STACK EXIT GAS FLOWRATE (ACFM)	8,330
STACK EXIT TEMPERATURE (DEG. F)	500

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM		7.60E-06		1.53E-01			
PM-10		7.60E-06		1.53E-01			
SO2		6.00E-07		1.21E-02			
CO		8.40E-05		1.69E+00			
NOX		1.00E-04		2.01E+00			
VOC		5.50E-06		1.11E-01			
LEAD		5.00E-10		1.00E-05			
Arsenic	7440-38-2	2.00E-10		4.02E-06			
Benzene	71-43-2	2.10E-09		4.22E-05			
Cadmium	7440-43-9	1.10E-09		2.21E-05			
Formaldehyde	50-00-0	7.50E-08		1.51E-03			
Nickel	7440-02-0	2.10E-09		4.22E-05			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2, PART B - CB500 Waste Oil Combustion

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24	
DAY/WEEK	7	
WEEKS/YEAR	32.51	based on maximum allowable annual oil combustion

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	Y
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	20.5
BUILDING/AREA LENGTH (FT)	102.5
BUILDING/AREA WIDTH (FT)	32

STACK DATA

GROUND ELEVATION (FT)	4504
UTM X COORDINATE (KM)	386.1952
UTM Y COORDINATE (KM)	4787.3244
STACK TYPE (SEE NOTE BELOW)	02
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	52
STACK EXIT DIAMETER (FT)	1.96
STACK EXIT GAS FLOWRATE (ACFM)	8,102
STACK EXIT TEMPERATURE (DEG. F)	500

AIR POLLUTANT EMISSIONS

consumption 136.67 gal/hr hours 5477

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM		1.28E-02		1.75E+00		4.79E+00	
PM-10		1.02E-02		1.39E+00		3.82E+00	
SO2		7.35E-02		1.00E+01		2.75E+01	
CO		5.00E-03		6.83E-01		1.87E+00	
NOX		1.90E-02		2.60E+00		7.11E+00	
VOC		1.00E-03		1.37E-01		3.74E-01	
LEAD		5.50E-04		7.52E-02		2.06E-01	
Arsenic	7440-38-2	7.41E-06		1.01E-03		2.77E-03	
Benzene	71-43-2	2.14E-07		2.92E-05		8.01E-05	
Cadmium	7440-43-9	2.96E-06		4.05E-04		1.11E-03	
Formaldehyde	50-00-0	3.03E-05		4.14E-03		1.13E-02	
Nickel	7440-02-0	1.10E-05		1.50E-03		4.12E-03	

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2, PART B - CB500 No. 4 Fuel Oil Combustion

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	51.30 based on maximum allowable annual oil combustion

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	Y
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	20.5
BUILDING/AREA LENGTH (FT)	102.5
BUILDING/AREA WIDTH (FT)	32

STACK DATA

GROUND ELEVATION (FT)	4504
UTM X COORDINATE (KM)	386.1952
UTM Y COORDINATE (KM)	4787.3244
STACK TYPE (SEE NOTE BELOW)	02
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	52
STACK EXIT DIAMETER (FT)	1.96
STACK EXIT GAS FLOWRATE (ACFM)	8,330
STACK EXIT TEMPERATURE (DEG. F)	500

AIR POLLUTANT EMISSIONS

consumption 140.4 gal/hr hours 8642

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM		7.00E-03		9.83E-01		4.25E+00	
PM-10		4.81E-03		6.75E-01		2.92E+00	
SO2		7.50E-02		1.05E+01		4.55E+01	
CO		5.00E-03		7.02E-01		3.03E+00	
NOX		2.00E-02		2.81E+00		1.21E+01	
VOC		3.40E-04		4.77E-02		2.06E-01	
LEAD		1.51E-06		2.12E-04		9.16E-04	
Arsenic	7440-38-2	1.32E-06		1.85E-04		8.01E-04	
Benzene	71-43-2	2.14E-07		3.00E-05		1.30E-04	
Cadmium	7440-43-9	3.98E-07		5.59E-05		2.41E-04	
Formaldehyde	50-00-0	3.30E-05		4.63E-03		2.00E-02	
Nickel	7440-02-0	8.45E-05		1.19E-02		5.13E-02	

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2, PART B - CB500 No. 5 Fuel Oil Combustion

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24	
DAY/WEEK	7	
WEEKS/YEAR	52.00	based on maximum allowable annual oil combustion

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	Y
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	20.5
BUILDING/AREA LENGTH (FT)	102.5
BUILDING/AREA WIDTH (FT)	32

STACK DATA

GROUND ELEVATION (FT)	4504
UTM X COORDINATE (KM)	386.1952
UTM Y COORDINATE (KM)	4787.3244
STACK TYPE (SEE NOTE BELOW)	02
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	52
STACK EXIT DIAMETER (FT)	1.96
STACK EXIT GAS FLOWRATE (ACFM)	8,330
STACK EXIT TEMPERATURE (DEG. F)	500

AIR POLLUTANT EMISSIONS

consumption 138.51 gal/hr hours 8760

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (TONS/YR)	REFERENCE
PM		1.00E-02		1.39E+00		6.07E+00	
PM-10		4.81E-03		6.66E-01		2.92E+00	
SO2		7.85E-02		1.09E+01		4.76E+01	
CO		5.00E-03		6.93E-01		3.03E+00	
NOX		5.50E-02		7.62E+00		3.34E+01	
VOC		1.13E-03		1.57E-01		6.86E-01	
LEAD		1.51E-06		2.09E-04		9.16E-04	
Arsenic	7440-38-2	1.32E-06		1.83E-04		8.01E-04	
Benzene	71-43-2	2.14E-07		2.96E-05		1.30E-04	
Cadmium	7440-43-9	3.98E-07		5.51E-05		2.41E-04	
Formaldehyde	50-00-0	3.30E-05		4.57E-03		2.00E-02	
Nickel	7440-02-0	8.45E-05		1.17E-02		5.13E-02	

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2, PART B - CB500 No. 6 Fuel Oil Combustion

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	52.00 based on maximum allowable annual oil combustion

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	Y
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	20.5
BUILDING/AREA LENGTH (FT)	102.5
BUILDING/AREA WIDTH (FT)	32

STACK DATA

GROUND ELEVATION (FT)	4504
UTM X COORDINATE (KM)	386.1952
UTM Y COORDINATE (KM)	4787.3244
STACK TYPE (SEE NOTE BELOW)	02
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	52
STACK EXIT DIAMETER (FT)	1.96
STACK EXIT GAS FLOWRATE (ACFM)	8,330
STACK EXIT TEMPERATURE (DEG. F)	500

AIR POLLUTANT EMISSIONS

consumption 136.67 gal/hr hours 8760

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (TONS/YR)	REFERENCE
PM		7.82E-03		1.07E+00		4.68E+00	
PM-10		4.81E-03		6.57E-01		2.88E+00	
SO2		7.85E-02		1.07E+01		4.70E+01	
CO		5.00E-03		6.83E-01		2.99E+00	
NOX		5.50E-02		7.52E+00		3.29E+01	
VOC		1.13E-03		1.54E-01		6.76E-01	
LEAD		1.51E-06		2.06E-04		9.04E-04	
Arsenic	7440-38-2	1.32E-06		1.80E-04		7.90E-04	
Benzene	71-43-2	2.14E-07		2.92E-05		1.28E-04	
Cadmium	7440-43-9	3.98E-07		5.44E-05		2.38E-04	
Formaldehyde	50-00-0	3.30E-05		4.51E-03		1.98E-02	
Nickel	7440-02-0	8.45E-05		1.15E-02		5.06E-02	

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	CB350 Boiler				
STACK DESCRIPTION	CB350 Boiler Stack				
BUILDING DESCRIPTION	Shop				
MANUFACTURER	Cleaver Brooks	MODEL	CB350	DATE INSTALLED	2005
				DATE LAST MODIFIED	

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	14.9	1000 LBS STEAM/HR		KILOWATTS		HORSEPOWER	
BURNER TYPE	11	% USED FOR PROCESS	100				
		% USED FOR SPACE HEAT					

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	01		NA	
PERCENT SULFUR	NA			
PERCENT ASH	NA			
PERCENT NITROGEN	NA			
PERCENT CARBON	NA			
PERCENT HYDROGEN	NA			
PERCENT MOISTURE	NA			
HEAT CONTENT (BTU/UNIT)	1020	SCF		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	14,608	SCF		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	1.280E+08	SCF		

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY) high radiant multi-port type for gas.

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	25	HOURS/DAY	24
MAR-MAY	25	DAY/WEEK	7
JUN-AUG	25	WEEKS/YEAR	52
SEP-NOV	25		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	Y
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	20.5
BUILDING/AREA LENGTH (FT)	102.5
BUILDING/AREA WIDTH (FT)	32

STACK DATA

GROUND ELEVATION (FT)	4504
UTM X COORDINATE (KM)	386.1885
UTM Y COORDINATE (KM)	4787.3265
STACK TYPE (SEE NOTE BELOW)	02
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	29.67
STACK EXIT DIAMETER (FT)	1.67
STACK EXIT GAS FLOWRATE (ACFM)	4,540
STACK EXIT TEMPERATURE (DEG. F)	260

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM		7.60E-06		1.11E-01			
PM-10		7.60E-06		1.11E-01			
SO2		6.00E-07		8.76E-03			
CO		8.40E-05		1.23E+00			
NOX		1.00E-04		1.46E+00			
VOC		5.50E-06		8.03E-02			
LEAD		5.00E-10		7.30E-06			
Arsenic	7440-38-2	2.00E-10		2.92E-06			
Benzene	71-43-2	2.10E-09		3.07E-05			
Cadmium	7440-43-9	1.10E-09		1.61E-05			
Formaldehyde	50-00-0	7.50E-08		1.10E-03			
Nickel	7440-02-0	2.10E-09		3.07E-05			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	Primary Hot Oil Heater - CEI-5000G				
STACK DESCRIPTION	Primary Hot Oil Heater Stack				
BUILDING DESCRIPTION	None				
MANUFACTURER	CEI Enterprises, Inc.	MODEL	CEI-5000G	DATE INSTALLED	Apr-99
				DATE LAST MODIFIED	

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	7.3	1000 LBS STEAM/HR		KILOWATTS		HORSEPOWER	
BURNER TYPE	11	% USED FOR PROCESS	100				
		% USED FOR SPACE HEAT					

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	01		NA	
PERCENT SULFUR	NA			
PERCENT ASH	NA			
PERCENT NITROGEN	NA			
PERCENT CARBON	NA			
PERCENT HYDROGEN	NA			
PERCENT MOISTURE	NA			
HEAT CONTENT (BTU/UNIT)	1020	SCF		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	7,157	SCF		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	6.269E+07	SCF		

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY) Full modulation pressure atomizing burner

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	25	HOURS/DAY	24
MAR-MAY	25	DAY/WEEK	7
JUN-AUG	25	WEEKS/YEAR	52
SEP-NOV	25		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	NA
BUILDING/AREA LENGTH (FT)	NA
BUILDING/AREA WIDTH (FT)	NA

STACK DATA

GROUND ELEVATION (FT)	4504
UTM X COORDINATE (KM)	386.1629
UTM Y COORDINATE (KM)	4787.3238
STACK TYPE (SEE NOTE BELOW)	02
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	10.08
STACK EXIT DIAMETER (FT)	1.33
STACK EXIT GAS FLOWRATE (ACFM)	3,275
STACK EXIT TEMPERATURE (DEG. F)	600

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM		7.60E-06		5.44E-02			
PM-10		7.60E-06		5.44E-02			
SO2		6.00E-07		4.29E-03			
CO		8.40E-05		6.01E-01			
NOX		1.00E-04		7.16E-01			
VOC		5.50E-06		3.94E-02			
LEAD		5.00E-10		3.58E-06			
Arsenic	7440-38-2	2.00E-10		1.43E-06			
Benzene	71-43-2	2.10E-09		1.50E-05			
Cadmium	7440-43-9	1.10E-09		7.87E-06			
Formaldehyde	50-00-0	7.50E-08		5.37E-04			
Nickel	7440-02-0	2.10E-09		1.50E-05			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	Secondary Hot Oil Heater - CEI-3000				
STACK DESCRIPTION	Secondary Hot Oil Heater Stack				
BUILDING DESCRIPTION	None				
MANUFACTURER	CEI Enterprises, Inc.	MODEL	CEI-3000	DATE INSTALLED	Oct-93
				DATE LAST MODIFIED	

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	4.23	1000 LBS STEAM/HR		KILOWATTS		HORSEPOWER	
BURNER TYPE	11	% USED FOR PROCESS	100				
		% USED FOR SPACE HEAT					

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	01		NA	
PERCENT SULFUR	NA			
PERCENT ASH	NA			
PERCENT NITROGEN	NA			
PERCENT CARBON	NA			
PERCENT HYDROGEN	NA			
PERCENT MOISTURE	NA			
HEAT CONTENT (BTU/UNIT)	1020	SCF		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	4,147	SCF		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	3.633E+07	SCF		

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY) Full modulation pressure atomizing burner

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	25	HOURS/DAY	24
MAR-MAY	25	DAY/WEEK	7
JUN-AUG	25	WEEKS/YEAR	52
SEP-NOV	25		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	NA
BUILDING/AREA LENGTH (FT)	NA
BUILDING/AREA WIDTH (FT)	NA

STACK DATA

GROUND ELEVATION (FT)	4504
UTM X COORDINATE (KM)	386.1657
UTM Y COORDINATE (KM)	4787.3222
STACK TYPE (SEE NOTE BELOW)	02
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	14.67
STACK EXIT DIAMETER (FT)	1.00
STACK EXIT GAS FLOWRATE (ACFM)	1,755
STACK EXIT TEMPERATURE (DEG. F)	520

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM		7.60E-06		3.15E-02			
PM-10		7.60E-06		3.15E-02			
SO2		6.00E-07		2.49E-03			
CO		8.40E-05		3.48E-01			
NOX		1.00E-04		4.15E-01			
VOC		5.50E-06		2.28E-02			
LEAD		5.00E-10		2.07E-06			
Arsenic	7440-38-2	2.00E-10		8.29E-07			
Benzene	71-43-2	2.10E-09		8.71E-06			
Cadmium	7440-43-9	1.10E-09		4.56E-06			
Formaldehyde	50-00-0	7.50E-08		3.11E-04			
Nickel	7440-02-0	2.10E-09		8.71E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS - Not Applicable

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION					
STACK DESCRIPTION					
BUILDING DESCRIPTION					
MANUFACTURER		MODEL		DATE INSTALLED	
				DATE LAST MODIFIED	

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS
INPUT				
PRODUCT OUTPUT				
WASTE OUTPUT				
RECYCLE				

POTENTIAL HAPS IN PROCESS STREAM(S)

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT

SECTION 3, PART B - Not Applicable

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	
DAY/WEEK	
WEEKS/YEAR	

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE		
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING/AREA LENGTH (FT)	
BUILDING/AREA WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 4: WASTE INCINERATION - Not Applicable

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION

STACK DESCRIPTION

BUILDING DESCRIPTION

MANUFACTURER | MODEL | DATE INSTALLED

DATE LAST MODIFIED

INCINERATOR TYPE | RATED HEATING CAPACITY (MILLION BTU/HOUR)

PRIMARY COMBUSTION CHAMBER DATA

WASTE RETENTION TIME (MINUTES)		MINIMUM TEMPERATURE (DEG. F)		COMBUSTION AIR FEED RATE (ACFM)	
BURNER TYPE		PERCENT OVERFIRE AIR		GAUGE PRESSURE (IN. H20)	
		PERCENT UNDERFIRE AIR			

PRIMARY CHAMBER FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				

NOTE: INCINERATOR TYPES - 01) SINGLE CHAMBER; 02) MULTIPLE HEARTH; 03) ROTARY KILN; 04) FLUIDIZED BED;

05) OTHER (SPECIFY)

BURNER TYPE - 01) AXIAL FIRING; 02) RADIAL FIRING; 03) TANGENTIAL FIRING;

04) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) PROPANE

06) OTHER (SPECIFY)

SECTION 4, PART A

SECONDARY COMBUSTION CHAMBER DATA

COMBUSTION CHAMBER VOLUME (CUBIC FEET) [ ]

MINIMUM TEMPERATURE (DEG. F) [ ]

COMBUSTION AIR FEED RATE (SCFM) [ ]

GAUGE PRESSURE (INCHES WATER) [ ]

BURNER TYPE
(1) AXIAL FIRING
(2) RADIAL FIRING
(3) TANGENTIAL FIRING
(4) OTHER [ ]

SECONDARY PRIMARY CHAMBER FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				

NOTE: INCINERATOR TYPES - 01) SINGLE CHAMBER; 02) MULTIPLE HEARTH; 03) ROTARY KILN; 04) FLUIDIZED BED;

05) OTHER (SPECIFY) [ ]

BURNER TYPE - 01) AXIAL FIRING; 02) RADIAL FIRING; 03) TANGENTIAL FIRING;

04) OTHER (SPECIFY) [ ]

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) PROPANE

06) OTHER (SPECIFY) [ ]

PRIMARY CHAMBER MONITORING AND COMBUSTION CONTROLS

[ ]

SECONDARY CHAMBER MONITORING AND COMBUSTION CONTROLS

[ ]

SECTION 4, PART A - Not Applicable

WASTE CHARACTERIZATION AND COMBUSTION RATE

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
WASTE DESCRIPTION				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				
METHOD OF ASH DISPOSAL				

POTENTIAL HAPS IN WASTES

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN WASTE FEED BY WEIGHT	FRACTION IN BOTTOM ASH BY WEIGHT	FRACTION IN FLY ASH BY WEIGHT

SECTION 4, PART B - Not Applicable

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	
DAY/WEEK	
WEEKS/YEAR	

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE		
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING/AREA LENGTH (FT)	
BUILDING/AREA WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 4 - Asphalt Cements

STACK DESCRIPTION: Tank 4 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 4

DATE INSTALLED: 1993 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 211,493 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	30.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1505
UTM Y COORDINATE (KM)	4787.3375
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	46
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	380

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		4.25E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		1.36E-05			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 5 - Asphalt Cements

STACK DESCRIPTION: Tank 5 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 5

DATE INSTALLED: 1993 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 211,493 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	30.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1536
UTM Y COORDINATE (KM)	4787.3453
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	46
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	380

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		4.25E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		1.36E-05			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 6 - Asphalt Cements

STACK DESCRIPTION: Tank 6 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 6

DATE INSTALLED: 1993 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 211,493 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		NUMBER OF SAFETY RELIEF VALVES	1
				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	30.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1573
UTM Y COORDINATE (KM)	4787.3575
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	46
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	380

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		4.25E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		1.36E-05			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 7 - Asphalt Cements

STACK DESCRIPTION: Tank 7 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 7

DATE INSTALLED: 1992 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 414,525 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES		NUMBER OF SAFETY RELIEF VALVES	1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	42.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1663
UTM Y COORDINATE (KM)	4787.3329
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	46
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	330

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.26E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.04E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	Tank 8 - Asphalt Cements		
STACK DESCRIPTION	Tank 8 - Pressure Relief Valve		
BUILDING DESCRIPTION	Tank 8		
DATE INSTALLED	1992	DATE LAST MODIFIED	

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 414,525 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		NUMBER OF SAFETY RELIEF VALVES	1
				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	42.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1713
UTM Y COORDINATE (KM)	4787.3496
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	46
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	330

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.26E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.04E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 9 - Asphalt Cements

STACK DESCRIPTION: Tank 9 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 9

DATE INSTALLED: 1994 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 45,682 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

*Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	24.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	18.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1781
UTM Y COORDINATE (KM)	4787.3307
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	28
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	380

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		3.20E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		1.02E-05			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 10 - Asphalt Cements

STACK DESCRIPTION: Tank 10 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 10

DATE INSTALLED: 1992 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 414,525 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	42.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1880
UTM Y COORDINATE (KM)	4787.3444
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	46
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	330

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.26E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.04E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 13 - Asphalt Cements

STACK DESCRIPTION: Tank 13 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 13

DATE INSTALLED: 1993 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 845,970 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	10
MAR-MAY	30
JUN-AUG	40
SEP-NOV	20

OPERATING SCHEDULE

HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	60.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.0885
UTM Y COORDINATE (KM)	4787.3819
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	46
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	330

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.35E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.32E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	Tank 14 - Asphalt Cements		
STACK DESCRIPTION	Tank 14 - Pressure Relief Valve		
BUILDING DESCRIPTION	Tank 14		
DATE INSTALLED	1993	DATE LAST MODIFIED	

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 854,970 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		NUMBER OF SAFETY RELIEF VALVES	1
				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	60.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.0769
UTM Y COORDINATE (KM)	4787.3602
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	46
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	330

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.35E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.32E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	Tank 15 - Asphalt Cements		
STACK DESCRIPTION	Tank 15 - Pressure Relief Valve		
BUILDING DESCRIPTION	Tank 15		
DATE INSTALLED	1993	DATE LAST MODIFIED	

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 845,970 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	
NUMBER OF SAFETY RELIEF VALVES	1	NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS	
NUMBER OF SAMPLING CONNECTIONS					

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	60.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.0987
UTM Y COORDINATE (KM)	4787.3537
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	46
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	330

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.35E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.32E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 16 - Asphalt Cements

STACK DESCRIPTION: Tank 16 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 16

DATE INSTALLED: 1993 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 635,418 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	52.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1085
UTM Y COORDINATE (KM)	4787.3765
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	46
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	330

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.31E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.18E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 17 - Asphalt Cements

STACK DESCRIPTION: Tank 17 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 17

DATE INSTALLED: 1993 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 845,970 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	60.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1206
UTM Y COORDINATE (KM)	4787.3472
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	46
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	330

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.35E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.32E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	Tank 18 - Asphalt Cements		
STACK DESCRIPTION	Tank 18 - Pressure Relief Valve		
BUILDING DESCRIPTION	Tank 18		
DATE INSTALLED	1993	DATE LAST MODIFIED	

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 635,418 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		NUMBER OF SAFETY RELIEF VALVES	1
				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	52.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1289
UTM Y COORDINATE (KM)	4787.3703
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	46
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	330

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.31E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.18E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 35 - Asphalt Cements

STACK DESCRIPTION: Tank 35 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 35

DATE INSTALLED: 1995 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 2,349,917 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	100.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.2927
UTM Y COORDINATE (KM)	4787.2924
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	47
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	330

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.68E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		5.37E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	Tank 36 - Asphalt Cements
STACK DESCRIPTION	Tank 36 - Pressure Relief Valve
BUILDING DESCRIPTION	Tank 36

DATE INSTALLED: Oct 1998 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 1,652,285 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		NUMBER OF SAFETY RELIEF VALVES	1
				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	50.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	75.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.2688
UTM Y COORDINATE (KM)	4787.2799
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	57
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	330

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.50E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.81E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 37 - Asphalt Cements

STACK DESCRIPTION: Tank 37 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 37

DATE INSTALLED: Oct 1998 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 1,625,285 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	NUMBER OF SAFETY RELIEF VALVES: 1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS			NUMBER OF SAMPLING CONNECTIONS

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	50.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	75.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.2951
UTM Y COORDINATE (KM)	4787.2807
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	57
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	330

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.50E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.81E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 38 - Asphalt Cements

STACK DESCRIPTION: Tank 38 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 38

DATE INSTALLED: Oct 1999 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 2,349,917 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	40.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	100.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.3214
UTM Y COORDINATE (KM)	4787.281
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	47
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	330

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.68E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		5.37E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 74 - Asphalt Cements

STACK DESCRIPTION: Tank 74 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 74

DATE INSTALLED: March 1999 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 223,759 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	32.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	34.50

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1091
UTM Y COORDINATE (KM)	4787.3302
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	33
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	380

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		4.26E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		1.36E-05			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 75 - Asphalt Cements

STACK DESCRIPTION: Tank 75 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 75

DATE INSTALLED: March 1999 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 223,759 ANNUAL THROUGHPUT (GALLONS): 2,276,938*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 02, 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	32.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	34.50

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1138
UTM Y COORDINATE (KM)	4787.3292
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	33
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	380

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		4.26E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		1.36E-05			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 320-1 - Process Tank

STACK DESCRIPTION: Tank 320-1 - Vent

BUILDING DESCRIPTION: Tank 320-1

DATE INSTALLED: 1993 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 10,150 ANNUAL THROUGHPUT (GALLONS): 4,568,350

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	12.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	12.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1748
UTM Y COORDINATE (KM)	4787.3251
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	13
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	370

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.73E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		5.52E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 2320-1 - Process Tank

STACK DESCRIPTION: Tank 2320-1 - Vent

BUILDING DESCRIPTION: Tank 2320-1

DATE INSTALLED: 1993 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cements

TANK CAPACITY (GALLONS): 2,015 ANNUAL THROUGHPUT (GALLONS): 866,815

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	7.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	7.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1638
UTM Y COORDINATE (KM)	4787.3586
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	8
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	300

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		5.45E-04			
LEAD							
Benzene	71-43-2	TANKS 4.0		1.74E-07			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 44 - Asphalt Emulsion

STACK DESCRIPTION: Tank 44 - Vent

BUILDING DESCRIPTION: Tank 44

DATE INSTALLED: Oct 1996 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Emulsion

TANK CAPACITY (GALLONS): 41,453 ANNUAL THROUGHPUT (GALLONS): 2,631,374*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		NUMBER OF SAFETY RELIEF VALVES	1
				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	36.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	14.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.2237
UTM Y COORDINATE (KM)	4787.2884
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	37
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	200

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.53E-04			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.89E-08			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 45 - Asphalt Emulsion

STACK DESCRIPTION: Tank 45 - Vent

BUILDING DESCRIPTION: Tank 45

DATE INSTALLED: Oct 1996 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Emulsion

TANK CAPACITY (GALLONS): 41,453 ANNUAL THROUGHPUT (GALLONS): 2,631,374*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	
NUMBER OF SAFETY RELIEF VALVES	1	NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS	
NUMBER OF SAMPLING CONNECTIONS					

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	63.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	14.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.2214
UTM Y COORDINATE (KM)	4787.2821
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	37
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	200

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.53E-04			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.89E-08			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 46 - Vent

STACK DESCRIPTION: Tank 46 - Pressure Relief Valve

BUILDING DESCRIPTION: Tank 46

DATE INSTALLED: Oct 1996 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Emulsion

TANK CAPACITY (GALLONS): 41,453 ANNUAL THROUGHPUT (GALLONS): 2,631,374*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES		NUMBER OF SAFETY RELIEF VALVES	1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	36.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	14.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.2171
UTM Y COORDINATE (KM)	4787.2908
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	37
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	200

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.53E-04			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.89E-08			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 47 - Asphalt Emulsion

STACK DESCRIPTION: Tank 47 - Vent

BUILDING DESCRIPTION: Tank 47

DATE INSTALLED: Oct 1996 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Emulsion

TANK CAPACITY (GALLONS): 41,453 ANNUAL THROUGHPUT (GALLONS): 2,631,374*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	36.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	14.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.2152
UTM Y COORDINATE (KM)	4787.2844
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	37
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	200

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.53E-04			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.89E-08			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 48 - Asphalt Emulsion

STACK DESCRIPTION: Tank 48 - Vent

BUILDING DESCRIPTION: Tank 48

DATE INSTALLED: 1992 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Emulsion

TANK CAPACITY (GALLONS): 41,453 ANNUAL THROUGHPUT (GALLONS): 2,631,374*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		NUMBER OF SAFETY RELIEF VALVES	1
				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	36.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	14.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.2107
UTM Y COORDINATE (KM)	4787.2929
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	37
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	200

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.53E-04			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.89E-08			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 51 - Asphalt Emulsion

STACK DESCRIPTION: Tank 51 - Vent

BUILDING DESCRIPTION: Tank 51

DATE INSTALLED: 1992 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Emulsion

TANK CAPACITY (GALLONS): 41,453 ANNUAL THROUGHPUT (GALLONS): 2,631,374*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	36.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	14.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.2004
UTM Y COORDINATE (KM)	4787.289
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	37
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	200

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.53E-04			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.89E-08			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 52 - Asphalt Emulsion

STACK DESCRIPTION: Tank 52 - Vent

BUILDING DESCRIPTION: Tank 52

DATE INSTALLED: 1992 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Emulsion

TANK CAPACITY (GALLONS): 41,453 ANNUAL THROUGHPUT (GALLONS): 2,631,374*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		NUMBER OF SAFETY RELIEF VALVES	1
				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	36.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	14.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1963
UTM Y COORDINATE (KM)	4787.2975
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	37
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	200

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.53E-04			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.89E-08			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 53 - Asphalt Emulsion

STACK DESCRIPTION: Tank 53 - Vent

BUILDING DESCRIPTION: Tank 53

DATE INSTALLED: 1992 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Emulsion

TANK CAPACITY (GALLONS): 41,453 ANNUAL THROUGHPUT (GALLONS): 2,631,374*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES		NUMBER OF SAFETY RELIEF VALVES	1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	36.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	14.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1942
UTM Y COORDINATE (KM)	4787.2911
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	37
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	200

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.53E-04			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.89E-08			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 54 - Asphalt Emulsion

STACK DESCRIPTION: Tank 54 - Vent

BUILDING DESCRIPTION: Tank 54

DATE INSTALLED: 1992 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Emulsion

TANK CAPACITY (GALLONS): 41,453 ANNUAL THROUGHPUT (GALLONS): 2,631,374*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE: Liquid

NUMBER OF PUMP SEALS:

NUMBER OF IN-LINE VALVES:

NUMBER OF SAFETY RELIEF VALVES: 1

NUMBER OF OPEN-ENDED LINES:

NUMBER OF SAMPLING CONNECTIONS:

NUMBER OF SAMPLING CONNECTIONS:

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	36.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	14.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1899
UTM Y COORDINATE (KM)	4787.2993
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	37
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	200

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.53E-04			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.89E-06			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 55 - Asphalt Emulsion

STACK DESCRIPTION: Tank 55 - Vent

BUILDING DESCRIPTION: Tank 55

DATE INSTALLED: 1992 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Emulsion

TANK CAPACITY (GALLONS): 41,453 ANNUAL THROUGHPUT (GALLONS): 2,631,374*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		NUMBER OF SAFETY RELIEF VALVES	1
				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	36.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	14.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.1879
UTM Y COORDINATE (KM)	4787.2934
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	37
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	200

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		1.53E-04			
LEAD							
Benzene	71-43-2	TANKS 4.0		4.89E-08			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 49 - Asphalt Emulsion

STACK DESCRIPTION: Tank 49 - Vent

BUILDING DESCRIPTION: Tank 49

DATE INSTALLED: March 1994 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Emulsion w/ fuel content

TANK CAPACITY (GALLONS): 41,453 ANNUAL THROUGHPUT (GALLONS): 1,259,177 * 5148.774753

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		NUMBER OF SAFETY RELIEF VALVES	1
				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	0.01000%

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	36.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	14.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.2087
UTM Y COORDINATE (KM)	4787.2864
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	37
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	150

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		2.80E-01			
LEAD							
Benzene	71-43-2	TANKS 4.0		3.04E-03			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION: Tank 50 - Asphalt Emulsion

STACK DESCRIPTION: Tank 50 - Vent

BUILDING DESCRIPTION: Tank 50

DATE INSTALLED: 1992 DATE LAST MODIFIED:

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Emulsion w/ fuel content

TANK CAPACITY (GALLONS): 41,453 ANNUAL THROUGHPUT (GALLONS): 1,259,177 * 5488.752543

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES		NUMBER OF SAFETY RELIEF VALVES	1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	0.01000%

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	10
MAR-MAY	30
JUN-AUG	40
SEP-NOV	20

OPERATING SCHEDULE

HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	36.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	14.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.2026
UTM Y COORDINATE (KM)	4787.2953
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	37
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	150

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		2.80E-01			
LEAD							
Benzene	71-43-2	TANKS 4.0		3.04E-03			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	Tank 2 - Asphalt Cutback or Additive		
STACK DESCRIPTION	Tank 2 - Vent		
BUILDING DESCRIPTION	Tank 2		
DATE INSTALLED	Jan 1995	DATE LAST MODIFIED	

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cutback or Additive

TANK CAPACITY (GALLONS): 41,453 ANNUAL THROUGHPUT (GALLONS): 1,264,862*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 03

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES		NUMBER OF SAFETY RELIEF VALVES	1
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	Negligible

SECTION 5, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE	
DEC-FEB	10	HOURS/DAY	24
MAR-MAY	30	DAY/WEEK	7
JUN-AUG	40	WEEKS/YEAR	52
SEP-NOV	20		

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	None	None
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	36.00
BUILDING/AREA LENGTH (FT)	Cylindrical Tank
BUILDING/AREA WIDTH (FT)	14.00

STACK DATA

GROUND ELEVATION (FT)	4,504
UTM X COORDINATE (KM)	386.2063
UTM Y COORDINATE (KM)	4787.3368
STACK TYPE (SEE NOTE BELOW)	03
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	37
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	Negligible
STACK EXIT TEMPERATURE (DEG. F)	150

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC		TANKS 4.0		8.45E-02			
LEAD							
Benzene	71-43-2	TANKS 4.0		3.40E-04			

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	Tank 22 - Asphalt Cutback		
STACK DESCRIPTION	Tank 22 - Vent		
BUILDING DESCRIPTION	Tank 22		
DATE INSTALLED	1992	DATE LAST MODIFIED	

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION: Asphalt Cutback

TANK CAPACITY (GALLONS): 18,423 ANNUAL THROUGHPUT (GALLONS): 244,558*

***Note: Average annual throughput per tank for product storage group. Actual throughput may be higher for individual tanks in the storage group.**

TANK TYPE: 01 SOURCE: 05

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER: Mixed onsite from raw products, to tank by pipe

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT: Not a Degreasing Agent

TANK SURFACE AREA (SQ. FT): NA

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F): NA

METHOD OF VAPOR RECOVERY: NA

Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE	Liquid	NUMBER OF PUMP SEALS		NUMBER OF IN-LINE VALVES	
NUMBER OF OPEN-ENDED LINES		NUMBER OF SAMPLING CONNECTIONS		NUMBER OF SAFETY RELIEF VALVES	1
				NUMBER OF SAMPLING CONNECTIONS	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Benzene	71-43-2	0.00168%